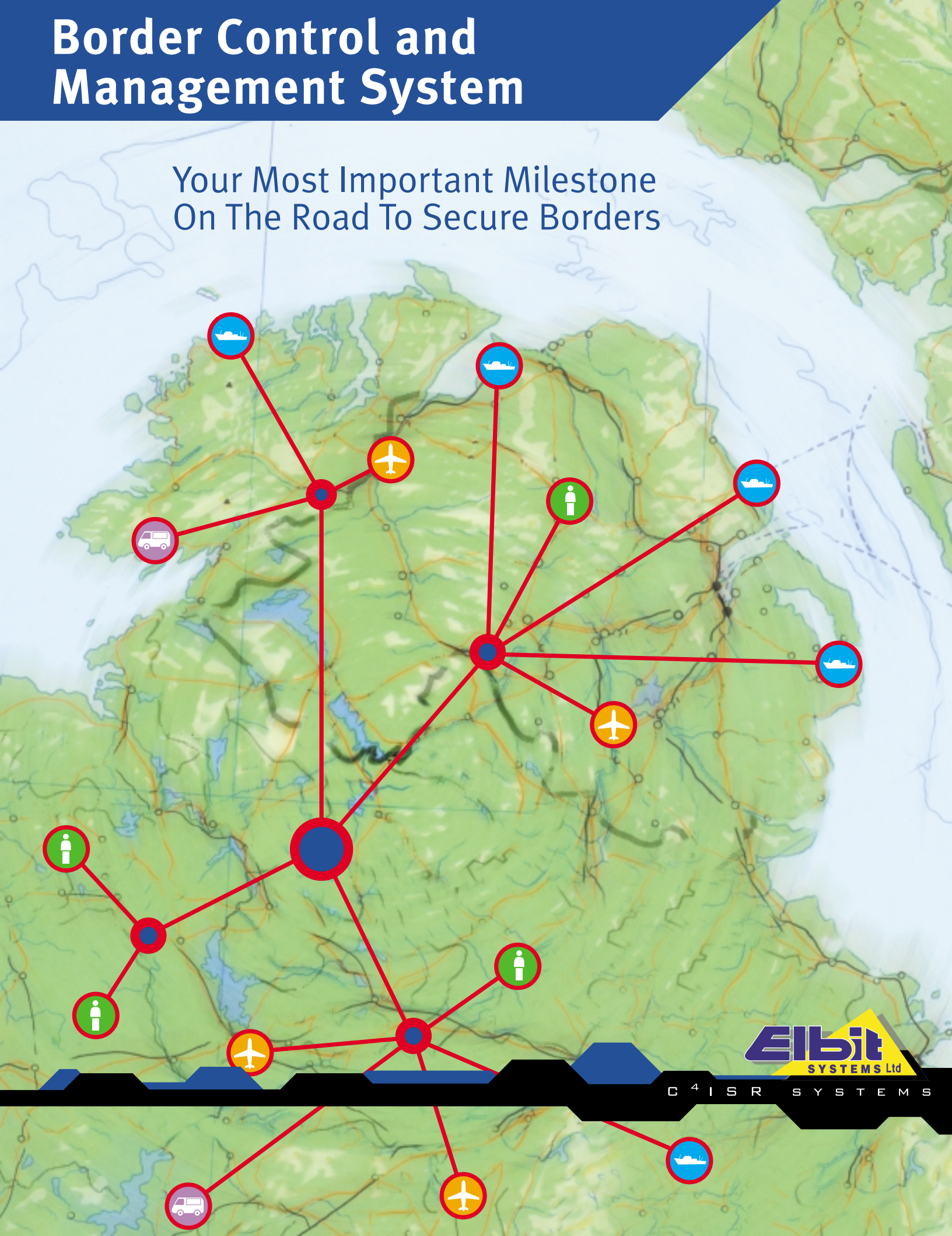
Border Control and Management System

Your Most Important Milestone On The Road To Secure Borders



Elbit SYSTEMS Ltd

C⁴ISR SYSTEMS

The Challenge

Stopping Border Violations

When a country needs to protect its borders against terrorists, illegal immigrants and smugglers - but at the same time must make it easier and quicker for authorized passengers and cargo to enter or exit - a maximum performance Border Control and Management System is vital.

Faster, Far More Efficient Handling of all Border Crossings

Elbit Systems' Border Control and Management System (BCMS) is a state-of-the-art system that supervises and controls all border movements. Elbit Systems' BCMS is an automated, extremely efficient solution designed to detect and thwart border intrusion attempts, identify forged documents, prevent illegal immigration, stop smuggling, combat cross-border crime, as well as to monitor and administer passengers, vehicles and cargo.

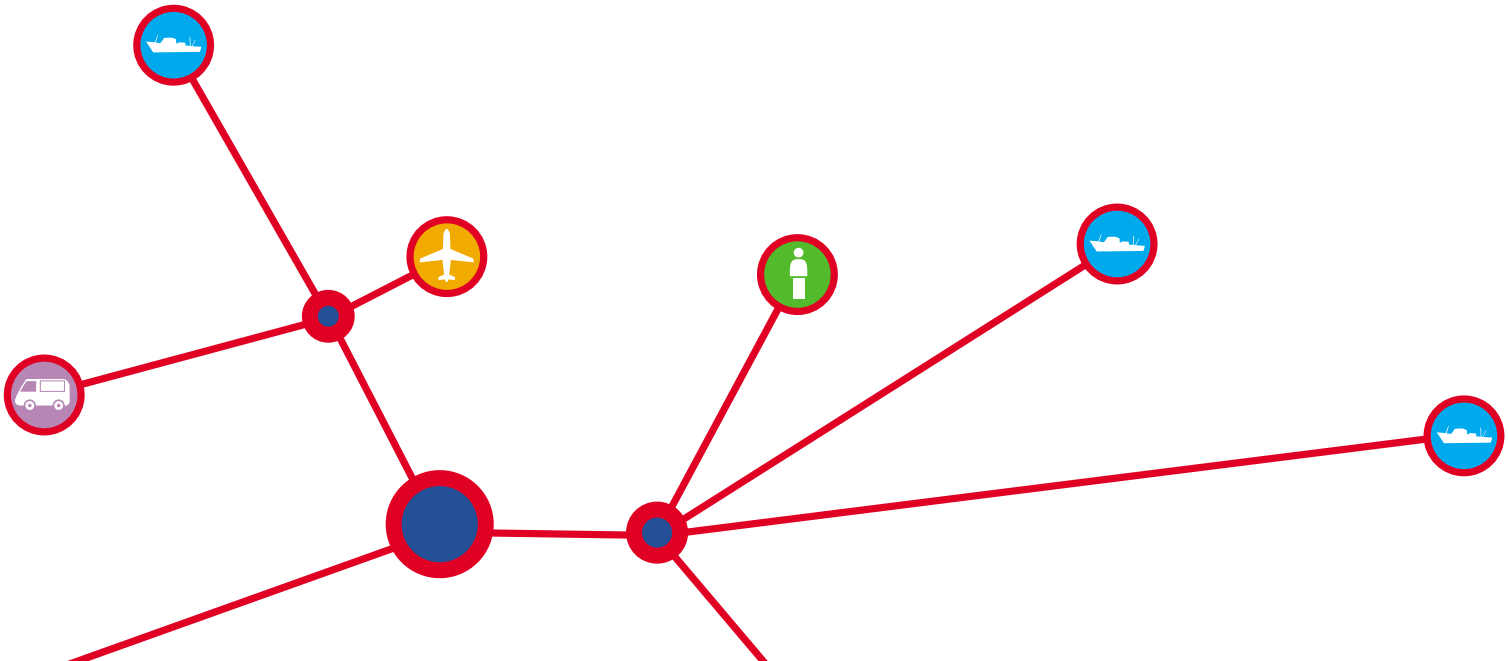
40 Years of Experience in Total Security Solutions

With four decades of experience in the development, manufacture and supply of comprehensive security systems, Elbit Systems is uniquely qualified to provide total, performance-proven solutions for a broad range of critical security, C^4I and paramilitary applications.

Optimum Solution Based on Field-Proven Border Control Doctrine

In operational use by military and police forces, governments, border and coast guards and security companies, Elbit Systems' security solutions have time and again proven their ability to increase effectiveness in monitoring and controlling military bases, high-risk installations, airports, seaports, stationary or mobile land-border checkpoints and other security-sensitive areas in real-life scenarios.

What makes Elbit Systems' BCMS the optimum solution? Its design is based on an operationally-proven border control and management doctrine. Its advantages are implemented in every module and subsystem, making it an unrivaled system in terms of the know-how it incorporates and its reliability.



System Overview

Generic and Modular - Tailored to Meet Every Operational Demand

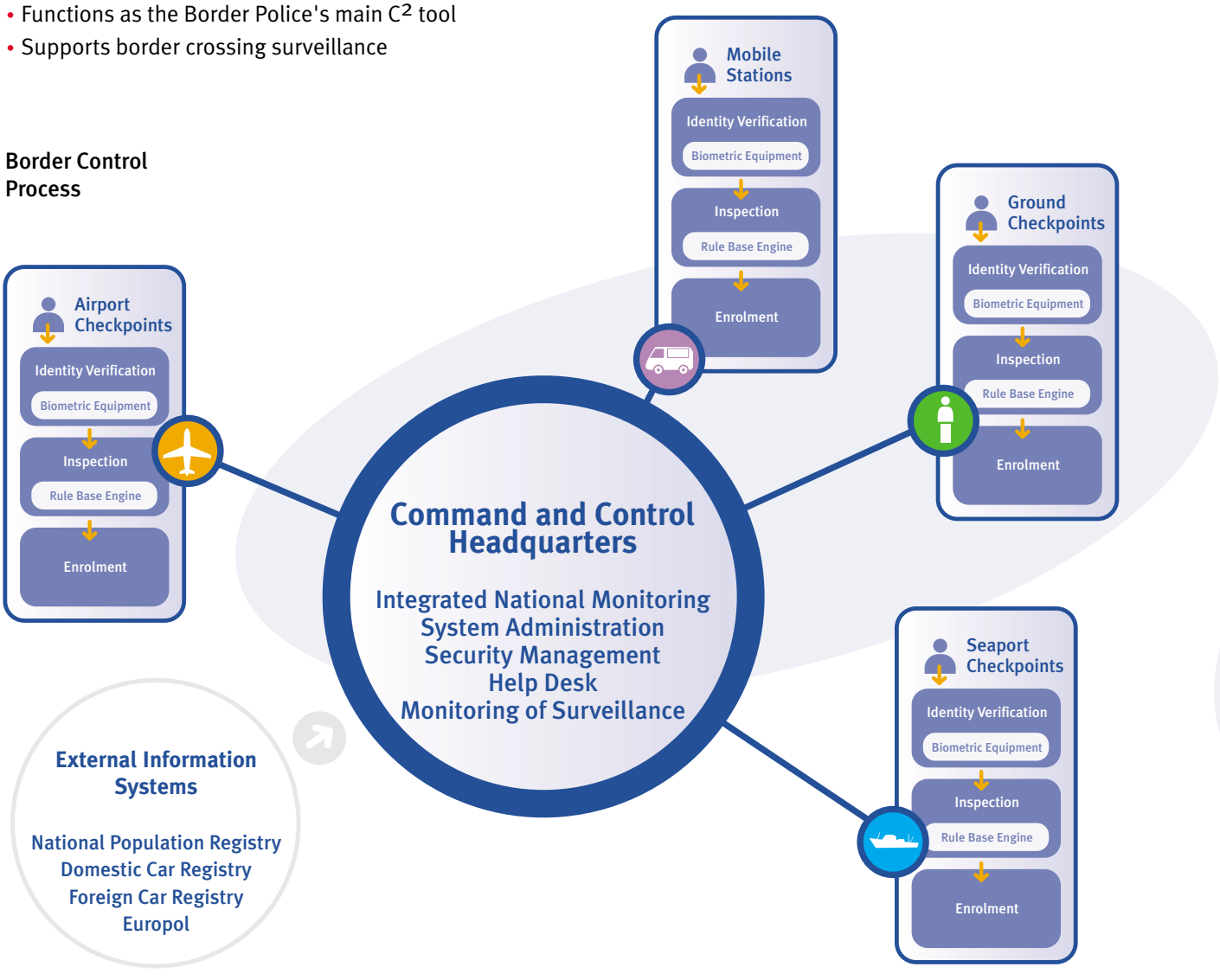
Based on a generic and scalable infrastructure, Elbit Systems' BCMS is ideal for use at all national passageways and high-risk installations. Main capabilities:

- Supports dozens of synchronized diverse Border Control Sites
- Administers, monitors and controls all points via Regional C^2 Sites
- Provides integrated, complete passage and border control overview via National Border Control C^2 Headquarters
- Complies with latest, relevant standards, e.g. Schenegan Agreement
- Integrates national and international external information systems, such as Europol Information System, National Population and Police Registries, Vehicle License Registry
- Implements best-of-breed biometric identification technologies in order to automate processes and authenticate initial identification procedures
- Incorporates area surveillance sensors and monitoring capabilities

Elbit Systems' BCMS provides a nationwide, integrative and comprehensive solution to increase border control and national security. The BCMS:

- Supervises, tracks, records arrivals and departures - passengers, cars and cargo
- Implements entry, exit and stay laws within a nation's territory
- Monitors and controls cargo, including enforcement of import and export tax regulations
- Functions as the Border Police's main C^2 tool
- Supports border crossing surveillance

Border Control Process



System Management and Workflow

Elbit Systems' doctrine-based, border checkpoints solution is supported by:

- Regional and National C² headquarters, into which all information flows. This guarantees a constantly updated regional and/or national border passage situation overview.
- An almost fully-automated 3-stage border control process which is the heart of the Border Control Doctrine: (1) Identity Verification, (2) Inspection and (3) Document Enrollment.

1 2 3

Identity Verification Stage

- Identification of a person, based on transit documentation, the use of one or several biometric identification sensors as well as implementation of a Soundex tool - for foreign name identification
- Identification of vehicles, based on automatic digital vehicle License Plate Recognition (LPR) technologies
- Identification and authentication of cargo, based on digital seals and transit documents

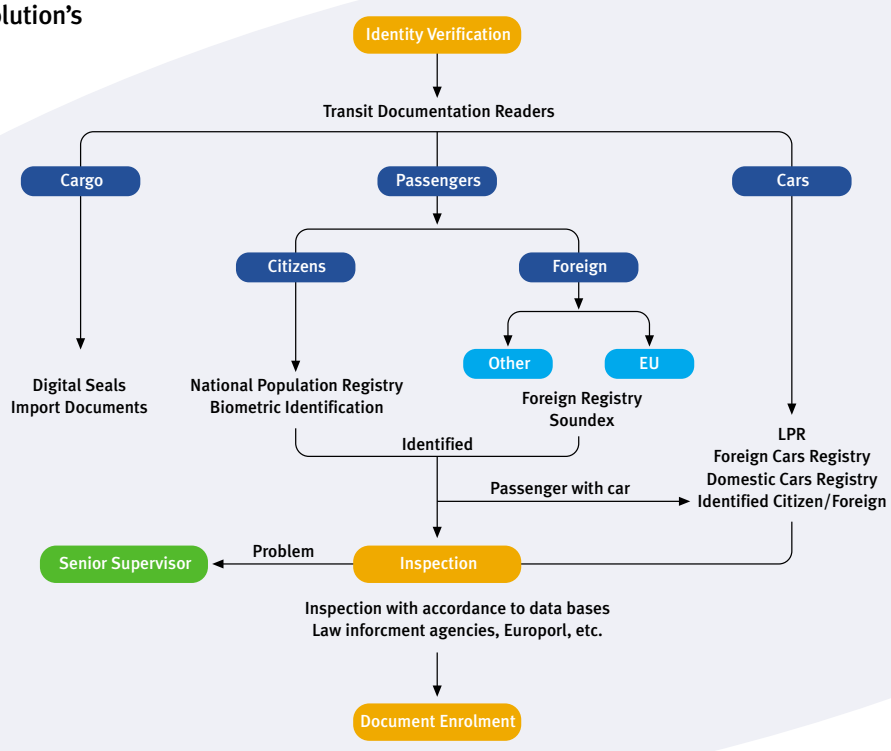
Inspection Stage

Involves crossing information from various internal and external registries and other IT systems, while implementing the state's regulations, in order to track suspicious and fraudulent events, such as: inconsistent registration, traveler registered as deceased, inconsistency with passage history, restrictions that may apply to passage

Document Enrollment Stage

Enables semi-automatic enrollment of events at the border checkpoints in order to have a detailed history to serve as future reference, follow-up, etc.

Part Of The Solution's Workflow



High-end Technology Solutions

The system's performance is the result of a combination of high-end, best-of-breed technology solutions.

Customized Rule Base Engine

A central part of the system's technological superiority is a generic, specifically-tailored, rule base engine. Almost automatically, it performs the entire inspection and decision-making process, by crossing information from various national and international registries and database sources with a set of customized, vitiating-significance "rules". The "rules" are set according to national/regional policies, national law, inclusion groups, etc. Since the rules, which are the basis for all decision-making, are dynamic, Elbit Systems' BCMS solution implements an easy-to-use mechanism that enables the regional supervisor to add and change "rules" profiles.

Multi-layer Architecture Security

With Elbit Systems' BCMS, customers benefit from a comprehensive solution which integrates various internal and external information systems, regulations, restrictions and varying classifications. In order to maintain a secure border control and management process, safe from external penetration and from internal threats, the system consists of a smart, multi-layer security architecture, which integrates best-of-breed COTS solutions with proprietary modules. The result is a high performance, yet cost-effective secure Border Control and Management System solution.

Biometric Equipment for Optimal Verification

Elbit Systems' BCMS implements a vast arsenal of biometric equipment to create a fully automated, efficient and reliable border control identification process, verifying document-based decisions. Biometric samples are checked against national biometric databases and specific biometric "lists" in order to enable verification of a person's identity. Biometric equipment is also used to enhance the overall security solution. Smart cards and biometric sensors identify system operators in order to prevent unauthorized access to the highly sensitive databases and C^2 centers.

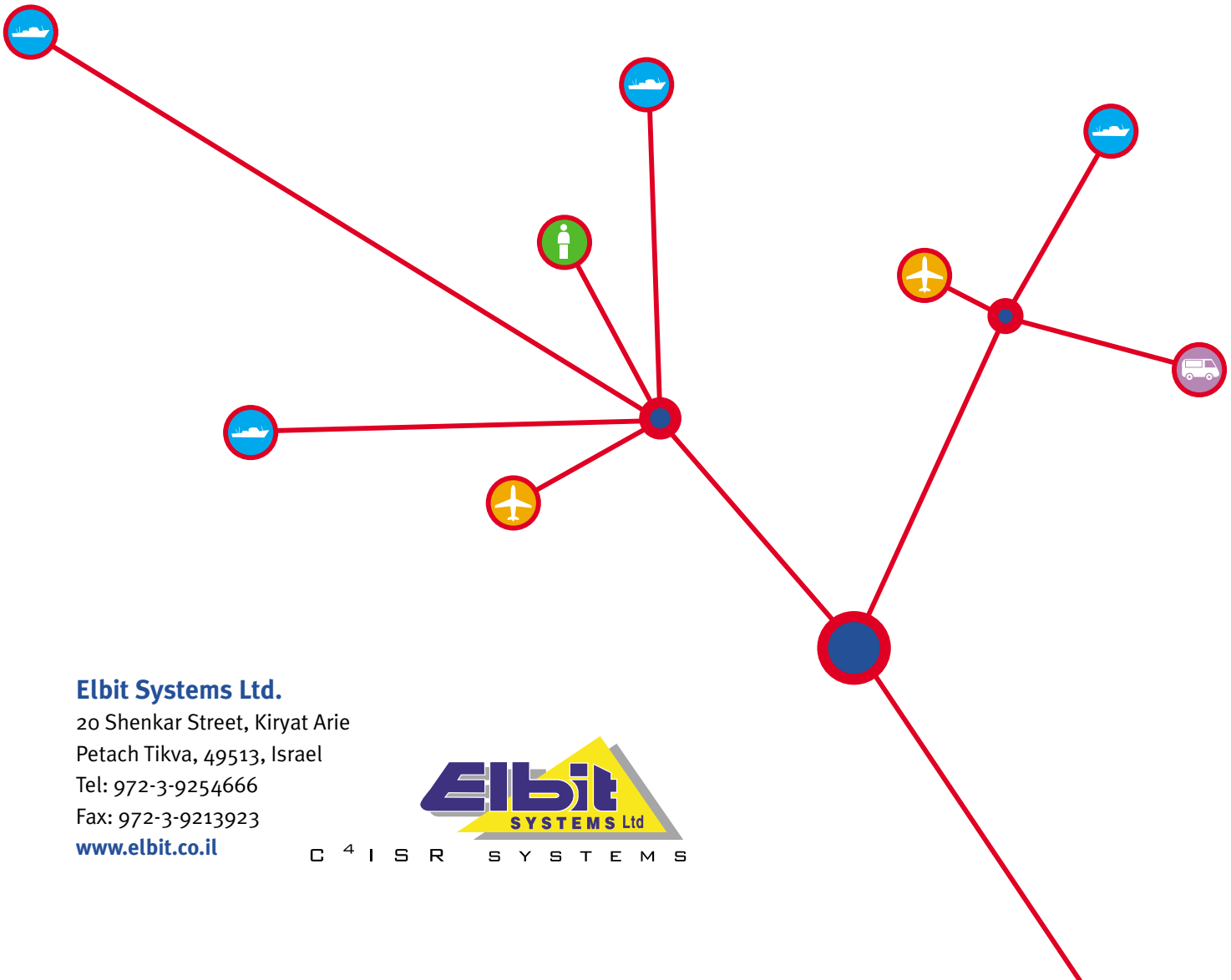
A Strong Foundation of Expertise

Elbit Systems has rich, proven experience in operational IT Systems, as well as a large, proficient team of experts in IT, Security and Knowledge Management technologies. Elbit Systems delivers generic BCMS-based, tailor-made solutions that maximize your border control and management capabilities - making your country's entry and exit procedures far more reliable and efficient, protecting your national interests, and safeguarding the welfare of your country's citizens.

Elbit Systems' experts will help you analyze your operational needs and customize a real-time, integrative, cost-effective security solution that keeps pace with today's rapidly emerging technologies and operational necessities.

Our Border Security, Control and Management Solutions serve customers throughout the world. They are supported by a work force with first-hand operational experience and strategic alliances with world-leading defense conglomerates - offering on-site cooperation with customer companies.

Call the one source you can count on for all border security needs.
Elbit Systems. We're ready to go into action for you.



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